

Abstract

Implantable heart stimulator comprising a heart signal  
detection means (10) adapted to detect electrical heart  
5 signals (12) and to apply said signals to at least two  
detection channels (16,16',16''), each channel comprises a  
filter means with a predetermined filter characteristics, a  
threshold detector with a predetermined threshold and a peak  
amplitude determining means. Each channel is adapted to  
10 generate a detection signal and a peak amplitude value. The  
heart stimulator further comprises a heart event identifying  
means (22) that unequivocally identifies, based on said  
detection signals and said peak amplitude values, a detected  
heart event. Applying predetermined identifying criteria,  
15 e.g. by forming the difference and/or the quote between the  
peak amplitude values performs said identification.

(Figure 2)